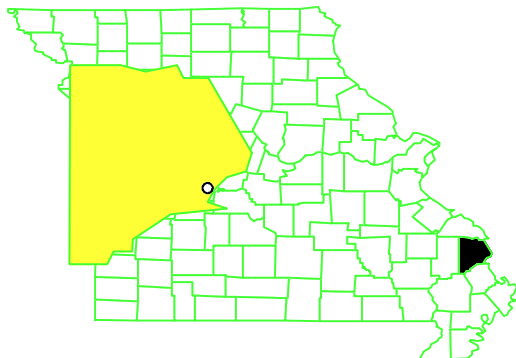


**KEM-PEST  
LABORATORIES  
MISSOURI  
EPA ID# MOD980631113**

**EPA Region 7  
City: Near Cape Girardeau  
County: Cape Girardeau County  
Other Names:**



## **SITE DESCRIPTION**

The Kem-Pest Laboratories site covers 6 acres and is located near Cape Girardeau. Beginning in 1965, Kem-Pest formulated various pesticide products, including liquid pesticides, granular insecticides, granular herbicides, and pesticide dust. The company suspended operations in 1975. There have been no production, treatment, or disposal activities at the site since 1977. A building on site has been used to store equipment and materials. A 1,250-square-foot lagoon at the facility formerly was used to dispose of plant waste and sewage. When the company closed the lagoon in 1981, it was filled with compacted clay. An EPA inspection in 1983 revealed that the lagoon cover was eroding and that no vegetation existed on the clay cap. Cape Girardeau, with a population of 60,925, draws drinking water from the Mississippi River, at a location less than 1 mile downstream of the site. Approximately 200 people live within 1 mile of the site, and 1,284 live within 3 miles. The site is adjacent to the flood plain of the Mississippi River. A freshwater wetland is located within 1 mile of the site.

### **Site Responsibility:**

This site is being addressed through Federal and potentially responsible parties' actions.

### **NPL LISTING HISTORY**

**Proposed Date:** 01/22/87

**Final Date:** 10/04/89

**Deleted Date:**

# THREATS AND CONTAMINANTS

**Description:** Sampling in 1984 and 1989 detected pesticides including heptachlor, chlordane, and endrin in the shallow aquifer. Drainage channel sediments contained pesticides including aldrin and dieldrin. Pesticides and various volatile organic compounds (VOCs) were detected in subsurface and surface soil samples. Potential risks may have existed for those who came into direct contact with the contaminated building structures or the soil on the site.

## CLEANUP APPROACH

### **Response Action Status**

**Soil and Sediments:** In 1984, the EPA installed five monitoring wells on site and collected groundwater, soil, and sediment samples. In 1988 and 1989, the EPA and the parties potentially responsible for site contamination conducted additional sampling. In 1989, EPA selected a remedy to excavate and dispose at an off-site facility all contaminated soil and sediment. The EPA has excavated approximately 6,075 cubic yards of contaminated soil and sediment and has disposed of them at a federally approved off-site land disposal facility. Sampling was conducted to confirm that all soils contaminated above health based levels were removed. Clean soil has been placed in the excavated areas with vegetation to minimize erosion. These cleanup activities were completed in 1993.

**Groundwater and On-Site Structure:** In 1990, a remedy was selected to address this portion of the site. The EPA concluded that the groundwater did not require any cleanup activities, but monitoring would continue to ensure that the groundwater continues to meet safety standards. The remedy to address the contaminated building structure includes decontaminating and demolishing the building, and removing the debris for either incineration or placement in a federally-approved landfill. These cleanup activities were completed in September 1996. The building was demolished and disposed and contaminated soil beneath the building was removed. The area beneath the building was backfilled with clean soil, graded and seeded. Ground water monitoring will continue for up to five years. A five-year review was completed in September 1999. The review, which included a site visit and a review of ground water monitoring data, concluded that the remedy is protective. At that time, EPA and the state of Missouri will determine if any further actions are necessary.

**Description:**

**Site Facts:**

## ENVIRONMENTAL PROGRESS



The excavation and disposal of contaminated soil and sediment, and removal of the contaminated building the Kem-Pest Laboratories site have reduced the threat of exposure to hazardous materials to the nearby population.

## SITE REPOSITORY



Cape Girardeau Public Library, 711 N.  
Clark Street, Cape Girardeau, MO  
63701

Superfund Records Center  
901 N. 5th St.  
Kansas City, KS 66101  
Mail Stop SUPR  
(913)551-4038

## REGIONAL CONTACTS

**SITE MANAGER:**

Victor Lyke

**E-MAIL ADDRESS:**

lyke.victor@epa.gov  
(913) 551-7256

**COMMUNITY INVOLVEMENT**

Hattie Thomas

**COORDINATOR:**

**PHONE NUMBER:**

(913) 551-7762

**PUBLIC INFORMATION CENTER:**

**E-MAIL ADDRESS:**

**STATE CONTACT:**

Don Van Dyke

**PHONE NUMBER:**

(573) 751-8393

## MISCELLANEOUS INFORMATION

**STATE:**

**PACIFIC ISLAND(S):**

07N6

**CONGRESSIONAL DISTRICT:**

08

**EPA ORGANIZATION:**

SFD-MOKS/SUPR

## MODIFICATIONS